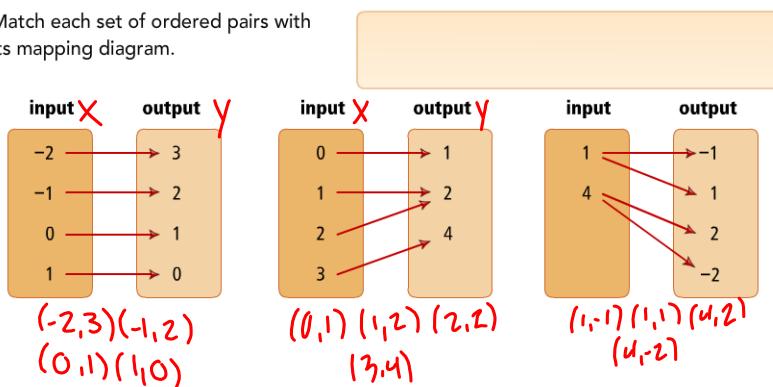


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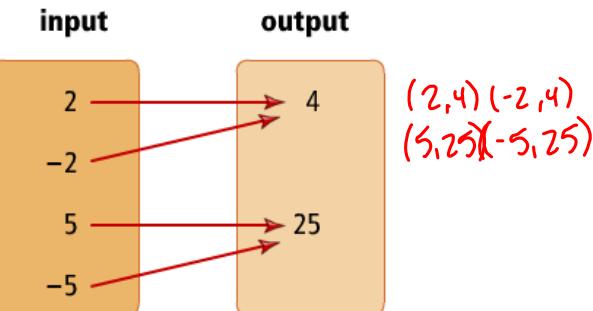
Example

Match each set of ordered pairs with its mapping diagram.



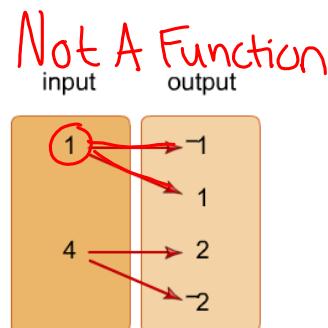
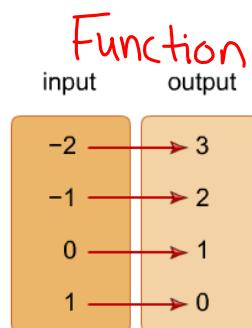
Got It?

Name the set of ordered pairs represented by the mapping diagram.



Which table represents a function and how do you know?

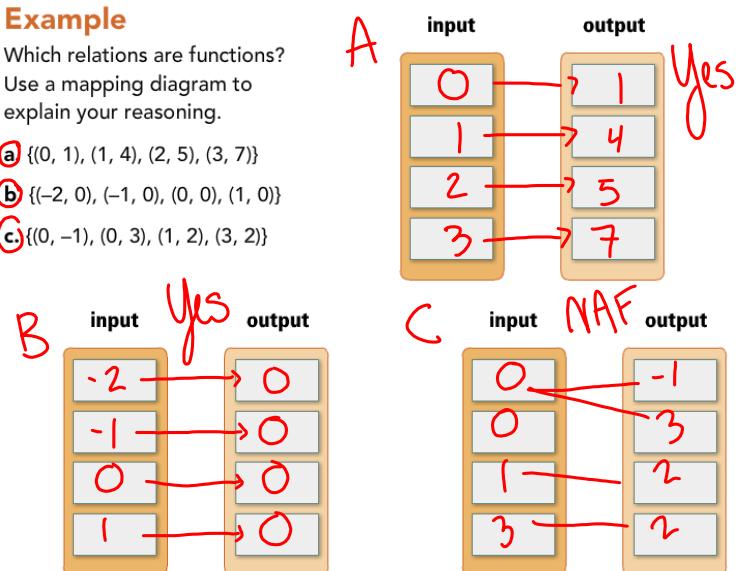
A **function** is a rule for taking each input value and producing exactly one output value.



Example

Which relations are functions? Use a mapping diagram to explain your reasoning.

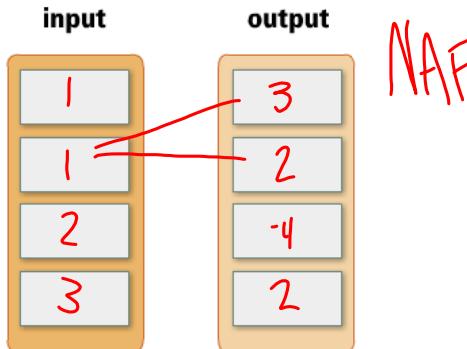
- {(0, 1), (1, 4), (2, 5), (3, 7)}
- {(-2, 0), (-1, 0), (0, 0), (1, 0)}
- {(0, -1), (0, 3), (1, 2), (3, 2)}



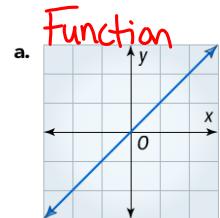
Got It?

Is the relation a function? Use a mapping diagram to explain your reasoning.

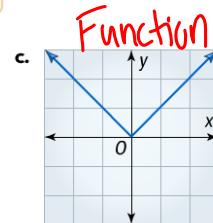
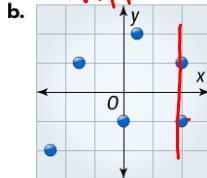
$\{(1, 3), (1, 2), (2, -4), (3, 2)\}$

**Watch Part 4 Video****Example**

Use the vertical line test to determine if each graph represents a function.



NAF

**Example**

Is each relation a function? Explain.

NAF

input	output
1	3
1	2
2	-4
3	2

Function

input	output
-3	-5
-2	-5
-1	-5
0	-5

Function

input	output
0	12
1	14
2	16
3	18

Got It?

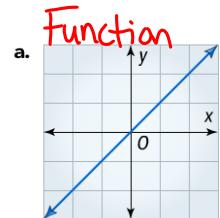
Is the relation a function? Explain.

input	output
-5	-5
-3	-3
1	1
2	2

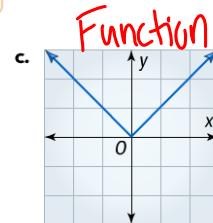
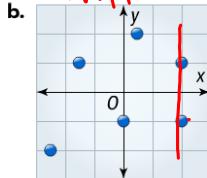
Function

Watch Part 4 Video**Example**

Use the vertical line test to determine if each graph represents a function.

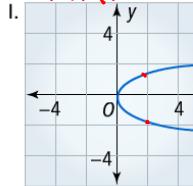


NAF

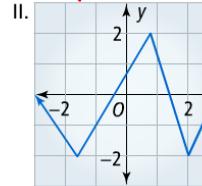
**Got It?**

Use the vertical line test to determine which graphs represent functions.

NAF



Function



NAF

